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Title EXPERIMENTAL STUDY ON UPSWEPT AFTERBODY SHAPES OF LIGHT TRANSPORT AIRCRAF

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Abstract

Low speed experiments of parametric study on few upswept afterbody models were carriedout in the 0.9m diameter. Low speed tunnel for independent determination of profile and vortex drag using 3-D wake survey method, with a primary objective of providing preliminary information about afterbody drag relevant to Light Transport Aircraft. This study has broughtout particularly the influences of various afterbody geometric parameters on the vortex drag.